

Madrid, 8 April 2026

Elecnor promotes the use of drones to enhance safety in its infrastructure projects

- ▶ The company operates a **fleet of 10 of its own drones** for inspection tasks, material transport and photogrammetry in complex industrial environments.
- ▶ Elecnor was **the first operator in Spain to obtain the Authorisation Scheme for heavy-lift drones**, which allow critical operations such as the laying of guide ropes or the transport of loads.
- ▶ Work will shortly begin on a **project aimed at generating virtual reality environments** using data captured by drones.

In complex environments, safety is a non-negotiable priority. Against this backdrop, the company has established the use of drones as a support tool in energy, industrial and transport infrastructure projects. This represents a firm commitment to the development and integration of drones into its projects, with the aim of achieving greater **operational efficiency**, improving **data collection** and, above all, **enhancing safety**.

Elecnor's drones and surveying department was established in the **first quarter of 2020** and currently operates a **fleet of ten in-house units**, consisting mainly of DJI drones, except for the EBEE fixed-wing model, and managed by the company's specialist staff. The Elecnor Group is already working on a project aimed at creating **virtual reality environments** using **data captured by drones**, which will open up new possibilities in both work planning and the training and analysis of facilities.

Among the models used are the **DJI Flycart 30**, used for transporting materials and laying guide ropes; the **DJI Matrice 350 RTK**, equipped for LiDAR scanning and RGB image capture; the **DJI Matrice 600 Pro**, used in guide rope laying operations; and the **DJI Air S2 and Air S3** models, intended for video recording and photography. Added to these is the **EBEE Plus S**, specialised in photogrammetry work.

The current value of the drone and surveying department's equipment stands at **€121,850.78**, excluding specialist software, processing equipment and vehicles associated with operations. The aim is to continue making progress in this area and **to develop in-house capabilities**, both in terms of technical resources and specialist staff, in order to expand the range of applications.

Reducing exposure to risk

Many activities linked to electrical; energy or railway infrastructure involve working at height or in areas that are difficult to access. Thanks to the use of drones, it is possible to carry out aerial inspections, high-precision mapping or real-time monitoring without exposing teams to potential accidents or hazardous situations.

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This approach, as well as reducing the need for direct intervention in high-risk areas, also allows incidents to be anticipated and each operation to be planned with greater precision, [prioritising the health and safety of everyone involved](#). The information obtained via sensors, imaging systems or LiDAR scanning facilitates the early detection of structural or technical anomalies and helps improve coordination between technical and safety teams.

A significant advance in the regulatory framework

In **September 2025**, Elecnor obtained the **Authorisation Scheme for operations with heavy-duty drones**, a licence permitting the operation of equipment weighing over 25 kilograms in critical tasks such as the transport of materials or the laying of guide ropes. According to the company, it is the **first operator in Spain to obtain this authorisation**, which it currently shares with only one other company in the sector.

Operating this equipment requires specific training. Elecnor's pilots receive specialised training provided by **Dronics**, an organisation certified by the State Aviation Safety Agency (AESA), which qualifies them for this type of operation.

On the operational front, Elecnor also took part **in a pilot trial with AESA on 27 September 2025 during the grape harvest in the Ribeira Sacra (Galicia)**, contributing its expertise in cargo transport using drones.

The use of drones enables the company to carry out tasks such as **laying pre-pilot wires on power lines, transporting work materials, visually inspecting infrastructure and carrying out photogrammetry work**, facilitating the collection of technical data and improving the planning of field operations.

Looking ahead to **2026**, Elecnor plans to continue expanding these operational capabilities. The department's objectives include obtaining **PDRA** authorisation, **LUC** certification—which would allow for the self-approval of certain operations—and the extension of authorisations to enable the release of transported loads without the need for manual handover. Furthermore, the company is analysing the possible incorporation of the **DJI T100** model, which would increase operational capacity, and is considering the recruitment of new specialist pilots.

The incorporation of these technologies forms part of [Elecnor's strategy for innovation and continuous improvement, aimed at enhancing the safety](#) of work teams, [preventing any type of workplace accident](#) and optimising the execution of infrastructure projects in increasingly complex environments.

A sustainable value. ESG commitment

Sustainability at the Elecnor Group is centred on its purpose: **to be a global provider of infrastructure, energy and services, driving development and opportunities for people around the world**. This commitment to sustainability is inherent in all its activities and business strategy, as well as in its relationships with its stakeholders.

The Elecnor Group's Strategic Sustainability Plan focuses on creating value and generating economic, environmental, social and governance dividends. In this regard, it highlights its commitment to operational excellence; occupational health and safety as fundamental pillars in the development of its activities, with an emphasis on accident prevention; environmental management to achieve a low-carbon society through renewable energy and the reduction of GHG emissions; and the protection of biodiversity and the natural environment in all projects.

All of this is carried out under responsible management, underpinned by the highest ethical standards and endorsed by multiple certified systems.

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About the Elecnor Group

The Elecnor Group is a Spanish enterprise doing business in over 40 countries with activities based on three main strategic business lines: Services, Projects and Concessions and Propriety Projects. Its strong international outlook has led it to a continuous expansion process which has opened the doors to new markets around the world, especially in Europe, North America, Central America, South America, Africa, Australia and the Middle East. Elecnor, which is listed on the Continuous Market, has a highly qualified team of professionals and a total workforce of 24,655 employees at the end of 2024.

For more information, please visit: www.grupoelecnor.com

For further information

Jorge Ballester

Director of Media Relations and Internal Communication

jballester@elecnor.com

Tel: 914 179 900

HARMON

Manuel Bravo (654 267 138)

elecnor@harmon.es